

Docket No.: KH-1715 US(NHL-KEH-26A)
Serial No.: 10/789,927
Customer No.: 52671

Claim Amendments

1-17. (canceled)

18. (previously presented) A cutting insert comprising:
a base body comprising cemented carbide;
at least one cutting body comprising ceramic material;
said at least one cutting body comprising a cutting edge to cut
into metal; and
said at least one cutting body being joined to said base body:
said base body comprises at least one recess;
said at least one recess being configured to receive said at
least one cutting body;
said at least one recess is substantially, congruently shaped
with respect to at least a portion of said at least one ceramic cutting
body;
said at least one ceramic cutting body is in the shape of a
circular truncated cone;
said at least one ceramic cutting body has a first end surface
and a second surface disposed at opposite ends of said truncated
cone;
said first end surface is smaller in diameter than said second

end surface;

said at least one recess comprises a bottom surface and a side surface disposed substantially transverse to said bottom surface;

said first end surface is attached to said bottom surface of said at least one recess;

said second end surface comprises a cutting edge formed at the exposed circular perimeter edge of said second end surface of the circular truncated cone and extends in the shape of a partial circle;

said cutting edge comprises a partial circle of at least 200° and not more than 230° ;

said cutting insert defines a clearance angle of one of (A) and (B):

(A) $< 10^\circ$; and

(B) $7 \pm 2^\circ$;

said at least one cutting body is bonded or brazed into said at least one recess;

said base body comprises at least one groove extending transversely to the longitudinal axis of said cutting insert for fastening said cutting insert to a toolholder;

said at least one groove is defined on either side by raised

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portions extending substantially parallel to said at least one groove;

said cutting insert is configured as an indexable insert;

said indexable cutting insert is fitted with two, three, or four
cutting bodies; and

the maximum diameter of said at least one cutting body is in
the range of 4 ± 0.05 mm to 10 ± 0.05 mm.

19-34. (canceled)